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(54) CLEANING AND DRYING DEVICE

(57)Abstract:

PURPOSE: To obtain a device which can clean and completely dry an object to be treated even with solution of relatively high viscosity attached thereto by providing a first nozzle device which sprays a first cleaning solution to the object to be treated and a second nozzle device which sprays a second cleaning solution to the object to be treated to lower the viscosity of the first cleaning solution.

CONSTITUTION: A device is provided with a spin head 2 to hold, rotate and dry a treatment object 7, a first nozzle device 11 to spray a first cleaning solution to the object 7 to be treated and a second nozzle device 21 to spray a second cleaning solution to lower a viscosity of the first cleaning solution to the treatment object 7. For example, a cleaning and drying device to eliminate a foreign material of photosensitive polyimide attached to a rear side of a wafer 7 is

integrally incorporated in an application device to apply photosensitive polyimide 5 onto the wafer 7. The first nozzle 11 is made to supply pyrrolidine being a solvent of photosensitive polyimide solution as the first cleaning solution from the first cleaning solution supply device 13 through a control valve 15. The second nozzle, 1 is made to supply pure water 22 as the second cleaning solution from a second cleaning solution supply device 23 through a control valve 25.



